

Title (en)  
VALVE

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Application  
**EP 92103032 A 19920224**

Priority  
DE 4112984 A 19910420

Abstract (en)  
[origin: EP0510326A2] The invention relates to a valve device with a combined inlet and outlet valve (40, 41, 39 and 104, 103, 105) which can be actuated by means of a piston (6 and 84). The piston (6 and 84) has a first active surface (2 and 82) which can be acted upon by a consumer pressure, a second active surface (4 and 85), which can be acted upon by a pressure medium from a first pressure medium source, which active surface is opposed to the first active surface (2 and 82), and a third active surface (31 and 95), which can be acted upon by pressure medium from a second pressure medium source, which third surface is also opposed to the first active surface (2 and 82). The pressure medium from the first pressure medium source and the pressure medium from the second pressure medium source serves as control pressure medium. In order to ensure that, in the event of a failure of the second pressure medium source, a sufficiently high pressure is still controlled by the valve device, an additional valve (24, 18, 20, 19 and 77, 76, 61, 57, 59, 54, 55) actuatable by means of a control piston (19 and 65) is provided on the valve device, by means of which additional valve the third active surface (31 and 95) of the piston (6 and 84) can be acted upon by the pressure medium from the second pressure medium source or by the pressure medium from the first pressure medium source as a function of the position of the control piston (19 and 65). The control piston (19 and 65) has two opposed active surfaces, the one active surface being acted upon by the pressure medium from the first pressure medium source and the second active surface by the pressure medium from the second pressure medium source. <IMAGE>

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IPC 8 full level  
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CPC (source: EP)  
**B60T 15/20** (2013.01)

Citation (search report)  
• [A] GB 2080899 A 19820210 - KAMSKOE OB PROIZV BOLSHEGRUZY  
• [A] GB 2004013 A 19790321 - DEWANDRE CO LTD C

Cited by  
CN112867648A; US11299136B2; WO2020083619A1

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